

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100818\
 Data File : VR025995.D
 Acq On : 8 Oct 2018 20:36
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

Manual Integrations
 APPROVED

MMDadoda
 10/9/2018 1:47:17 PM

Quant Time: Oct 09 06:42:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 09 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	427522	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	372491	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	145015	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	172913	5.13	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.60%
7) Chloroethane-d5	2.63	69	150356	5.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.20%
11) 1,1-Dichloroethene-d2	3.64	63	405369	5.12	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.40%
20) 2-Butanone-d5	6.59	46	219147	58.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.62%
24) Chloroform-d	7.20	84	305216	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	7.90	65	138645	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	7.85	84	591702	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	8.90	67	165305	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	9.97	98	555144	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.40%
43) trans-1,3-Dichloropropene-	10.23	79	41007	5.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	108.20%
46) 2-Hexanone-d5	10.59	63	173355	59.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	77820	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	114.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	115782	4.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	110363	4.247 ug/L	# 73
3) Chloromethane	2.01	50	198758	5.379 ug/L	98
5) Vinyl chloride	2.16	62	190107	5.169 ug/L	97
6) Bromomethane	2.52	94	117475	5.116 ug/L	98
8) Chloroethane	2.66	64	117377	5.609 ug/L	95
9) Trichlorofluoromethane	2.93	101	276964m	5.424 ug/L	
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	159855	5.121 ug/L	92
12) 1,1-Dichloroethene	3.66	96	172656	5.350 ug/L	80
13) Acetone	3.70	43	148066	54.354 ug/L	94
14) Carbon disulfide	3.97	76	338260	4.330 ug/L	99
15) Methyl Acetate	4.20	43	43049	5.699 ug/L	100
16) Methylene chloride	4.40	84	167814	5.655 ug/L	97
17) Methyl tert-butyl Ether	4.90	73	188394	5.272 ug/L	99
18) trans-1,2-Dichloroethene	4.88	96	126407	4.736 ug/L	85
19) 1,1-Dichloroethane	5.69	63	255249	4.830 ug/L	96
21) 2-Butanone	6.69	43	201142	53.683 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	133219	4.960 ug/L	# 93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.04	128	36622	5.026	ug/L	83
25) Chloroform	7.23	83	258682	5.027	ug/L	95
27) 1,2-Dichloroethane	7.99	62	130650	5.088	ug/L	97
29) 1,1,1-Trichloroethane	7.43	97	200353	4.783	ug/L	98
30) Cyclohexane	7.52	56	203915	3.896	ug/L	96
31) Carbon tetrachloride	7.64	117	179627	4.952	ug/L	99
33) Benzene	7.91	78	585277	4.685	ug/L	100
34) Trichloroethene	8.71	95	144895	4.401	ug/L	94
35) Methylcyclohexane	8.95	83	203858	4.119	ug/L	99
37) 1,2-Dichloropropane	9.00	63	131825	4.918	ug/L	100
38) Bromodichloromethane	9.28	83	144381	4.993	ug/L	94
39) cis-1,3-Dichloropropene	9.72	75	149979	4.991	ug/L	99
40) 4-Methyl-2-pentanone	9.87	43	514881	54.632	ug/L	98
42) Toluene	10.04	91	615237	4.739	ug/L	98
44) trans-1,3-Dichloropropene	10.26	75	108087	5.509	ug/L	97
45) 1,1,2-Trichloroethane	10.45	97	60551	4.994	ug/L	90
47) Tetrachloroethene	10.51	164	87675	4.322	ug/L	92
48) 2-Hexanone	10.63	43	336339	54.507	ug/L	99
49) Dibromochloromethane	10.79	129	65204	5.300	ug/L	98
50) 1,2-Dibromoethane	10.89	107	52294	5.467	ug/L #	99
51) Chlorobenzene	11.32	112	336085	4.880	ug/L	96
52) Ethylbenzene	11.39	91	714176	4.820	ug/L	98
53) m,p-Xylene	11.50	106	253928	4.814	ug/L	98
54) o-Xylene	11.83	106	245619	5.002	ug/L	92
55) Styrene	11.84	104	386915	5.063	ug/L	93
56) Isopropylbenzene	12.13	105	668421	4.935	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.39	83	60464	5.176	ug/L	97
59) 1,2,3-Trichloropropane	12.43	75	46355	5.332	ug/L	98
61) Bromoform	12.01	173	22603	5.156	ug/L #	97
62) 1,3-Dichlorobenzene	13.16	146	194049	4.578	ug/L	92
63) 1,4-Dichlorobenzene	13.24	146	200596	4.627	ug/L	98
65) 1,2-Dichlorobenzene	13.53	146	164897	4.842	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	6655	4.648	ug/L	89
67) 1,3,5-Trichlorobenzene	14.29	180	117790	4.666	ug/L	96
68) 1,2,4-trichlorobenzene	14.78	180	75950	4.719	ug/L	98
69) Naphthalene	15.00	128	96348	4.691	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	54961	4.922	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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